

University of Alberta Places Ceiling on Enrolment

Measure of relief is in store for the University of Alberta's stretched seams.

University growth which, says Vice-President (Academic) Peter Meekison, has "continued more or less unchecked since 1982," has necessitated the setting of a limit on enrolment of 25,000 students (20,000 undergraduate and 5,000 graduate students).

The downsizing, which is to be realized by 1997, will be brought about by another new tack: the raising of the entrance requirement from a 65 percent average to 70 percent. (The average pertains to five appropriate grade 12 subjects. It is effective for students entering the University of Alberta for the first time in September, 1988.)

The decisions were taken by General Faculties Council on 28 September.

Dr. Meekison, who introduced the item on University size and balance, said a concern of many people is the size of the University. "At some point we have to say we can no longer accept more students," Dr. Meekison said.

The figure of 25,000 takes us back to the early 1970s and Academic Plan Nine, he noted.

His proposal called for the ceiling on enrolment "in recognition of the human, physical and financial resources available to the University at the present time."

Students' Union President Tim Boston commented that the public perception of the University of Alberta might be that it is an elitist institution. Dr. Meekison, who stated that "a great deal of thought and anguish has gone into the preparation of this motion," said the policy, in his view, was not elitist. "My concern is the over-all size and capacity of the

University." He termed the 70 percent standard a "fair and systematic manner of reducing enrolments across the board."

Is the 70 percent standard temporary? Dr. Meekison said, "Yes. . . but it will be in effect until our objective of downsizing the University is achieved. I suspect the 70 percent will be here for several years."

Chairman Myer Horowitz urged Council to seek greater clarity with regard to the province's commitment to accessibility. "It's just not possible to accommodate more people with fewer resources," he said.

Withdrawal Deadlines

A proposal from the Registrar for the moving ahead of withdrawal deadlines met with defeat. The strongest opponent of the proposal, Tim Boston, said the sheer numbers of students in classes left professors with no time to provide students with feedback on their progress in a particular course. The only feedback now is marks, he said.

The proposed deadlines, to take effect in 1988-89, were: first term, 14 October (from 15 November); second term, 6 February (from 21 March); full term, 15 October (from 9 January).

Peter Miller, Dean of Student Services, sided with Mr. Boston. He said that study conditions have deteriorated and that students are subjected to more stress and tension. "Any measure that makes things more difficult for students is a bad measure. In an ideal world an earlier deadline might be appropriate, but we're not living in an ideal world," he said.

Another item that generated discussion was University employment practices concerning overqualification.

Duncan Fishwick (Classics) expressed concern with the

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FOLIO

University of Alberta

8 October 1987

First-Time Students Make Up Bulk of Enrolment Increase, Board Told

The number of first-time students on campus constitutes the largest portion of the enrolment increase this year.

President Myer Horowitz, in his report to the Board of Governors on 2 October, said the burden of the increase lies with the non-quota Faculties. He pointed out that the Faculty of Arts has an enrolment increase of 8.3 percent and of this number, 15.4 percent are first-time students. Science has also experienced an increase in the enrolment of first-time students (15.1 percent of its 6.5 percent total increase). Dr. Horowitz stated that of all the Faculties, Faculté Saint-Jean has had the most dramatic increase—22 percent (31.8 percent are first-time students).

Dr. Horowitz told the Governors that the University has 1,177 more students than it did at the same time last year (995 full-time and 182 part-time). He emphasized that there is "an urgency to get better control over these numbers." When asked why such a large increase has occurred, Dr. Horowitz

explained that a new phenomenon is showing up in the registration process. In the past, he said, students would register at the University, be accepted and then

not show up. Now, it seems that about 90 percent of those students who are accepted show up although it is still difficult to

Continued on page two

Draft Policies for Future Direction of University Unveiled

On 1 October, Myer Horowitz announced the release of a discussion paper detailing the draft policies to be discussed internally as part of the University's planning for "The Next Decade and Beyond."

The 58-page document consists of a series of policy papers which reflect the thoughts of interested groups and individuals on virtually every aspect of staff and student endeavor. Provision of the space, environment and facilities which enable the University to function is also detailed.

The policy papers are the result of input from both on- and off-campus constituents to the University's major planning

document "The Next Decade and Beyond: A Plan for the Future."

The draft policies will be studied by various decision-making bodies within the University. In introducing the document, President Horowitz says, "I certainly expect that during the course of these deliberations the statements will be modified. Before too long, I am certain that the University of Alberta will endorse a number of policies which will guide our development during the 'Next Decade and Beyond.'"

Limited quantities of the document are available from the office of Amy Zelmer, Associate Vice-President (Academic). □

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- Killam Scholars named
- Boreal Institute sittin' pretty
- Red Cross issues plea for donors
- Extension develops Family Skills Program

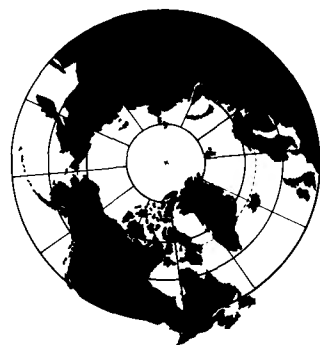


'The Boreal': A Place That's on Top of its World

The Boreal Institute for Northern Studies has helped pinpoint hepatitis victims, watched over the health of newborn babies in the Northwest Territories and now has a world-class library where circumpolar scholars can feel right at home, whether they're Japanese or Lapp.

For this part of the University, currently celebrating 25 years in the business of northern research—30 researchers working in northern Alberta, almost twice that throughout northern Canada—"field of research" could be almost anything from building a simulated section of pipeline, to studying how much wild fish and game is eaten daily by northern people.

The Boreal Institute gives high priority to stimulating greater research cooperation among University researchers, regardless of department, says an institute fact sheet, pointing out that the Boreal's recent 25th anniversary conference drew more than 200 international scholars, some of whom heard of the institute from



the "cooperating researchers" who have visited here from Australia, Britain, Greenland, Germany, Iceland, Norway, Finland, the USSR, Sweden, Japan and the United States.

"The Boreal" is anticipating change, to wit, more emphasis on research, fewer conferences and workshops and a slimmer number of publications and information exchange programs (current library holdings stand at 110,000 pieces of specialist northern literature.)

Now, with research agreements signed with the Northern Regions Center (Hokkaido), and the Center for Arctic Cultural Research (Umea, Sweden), the dawn of the next 25 years is looking circumpolarly rosy. □

Twentieth Anniversary

Killam Scholars Honored

The recipients of the University's most prestigious doctoral and postdoctoral scholarships were recognized at the annual Killam dinner, Tuesday, 29 September.

Killam Doctoral Scholarships were awarded to: Paul Belanger, (Romance Languages), Jian Chen (Chemistry), Pui-wan Cheng (Educational Psychology), Nancy Collinge (Anthropology), Michael Duke (Geology), David Gay (English), Xian-Qin Hu (Geology), Chung Hwang (Computing Science), Tianxuan Miao,

(Mathematics), Robert Pitter (Physical Education and Sport Studies), Stephen Smith (Secondary Education) and David Stredulinsky (Mechanical Engineering).

Postdoctoral Scholars are: Gordon Harvey (English), Carlos Torres (Educational Foundations), Alexander Reinefeld (Computing Science) and David Stern (Philosophy).

Next week's *Folio* will contain detailed information on the scholars and the Killam legacy. □

Ceiling Continued from page one younger "wandering scholar" generation and he felt the new policy would not open the doors to an invasion of 60-year-old would-be assistant professors.

The University has no written policy on overqualification and Dr. Fishwick argued that such a policy is necessary. If the motion for an overqualification policy is not adopted, he said, the message to our students is loud and clear: if you graduate and want an academic position, try to get appointed within a few years after graduation or you'll find yourself overqualified and therefore unable to get a job.

Dr. Meekison said he was in full agreement with Ron Bercov (Science) who had told a meeting of the GFC Executive Committee that his Faculty sought to hire the best people with the available hiring dollars. The status quo should be maintained, Dr. Meekison emphasized.

By a vote of 65-24 Council decided that no policy on

overqualification is necessary.

Other Matters

Amendments to section 30.7 and 30.8 of the Code of Student Behavior and a proposal from the Department of Geography for a Diploma in Meteorology program were endorsed.

The main changes to the above noted sections are that 1) the Dean of Student Services replaces University Discipline Panels as the decision-maker in cases of academic dishonesty and 2) the discipline impanelling board is replaced by a standing committee called the University Appeal Board.

According to D.D. Beatty of the Faculty of Science, the meteorology diploma program will be tailored to a student's BSc and the requirements of the employer, Atmospheric Environment Services of Canada. "This program is in demand because our Department of Geography is one of the few in Canada offering the appropriate courses," he said.

No additional resources are needed to initiate the program. □

FOLIO

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University
of
Alberta

Deadline

Notices of coming events: 9 a.m. three weeks in advance of desired publication date.

Classified advertisements: 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50.

Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

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Enrolment Increase Continued from page one

predict exactly how many will do so, the President said.

Bill Milnthorpe, Chairman of the Educational Affairs Committee, asked for Board approval of a motion to approve changes to the University's employment policies. The current policy statement was reorganized and textual changes were made to more clearly reflect the University's commitment to equity in employment. The motion was passed unanimously.

Mr. Milnthorpe announced the appointment of Abram Konrad as Chairman of the Department of Industrial and Vocational Education, effective 1 September for five years.

The Finance Committee asked for and received approval for the granting of \$90,000 to the Students' Union. The 1987-88 grant is to be allocated on a global basis in

support of these services and operations: Student Help, Students' Union Housing Registry, Students' Orientation Services, Gateway and CJSR.

The Board approved a motion from its Building Committee to accept the South Campus Development Plan which is to be used as a guide for the orderly development of future facilities undertaken in the area bounded by 87 Avenue, University Avenue, 112 Street and 117 Street. Jack Scott, committee chairman, informed the Board that the committee has approved, subject to financial and operating arrangements, the concept of building a car park underneath the Lister Hall playing field. It is the committee's understanding that the playing field would be restored to its original form. □

Red Cross Anxious to Attract More Donors From Campus

When Jerry Philipson's eyes shift to the paperwork on his desk to the passersby on 114 Street he sees red.

Of course, the director of Blood Donor Recruitment for the Red Cross's Alberta-Northwest Territories Division doesn't have a whole lot time for glancing out his window, but when he does so he can't help but see potential donors.

Unfortunately, not enough of them are stepping into his office. The Red Cross would like very much to increase the drop-in traffic from the University because it's currently averaging only half of the 110 units that it wants to collect each day. (A unit is the amount of blood that an individual can donate at one time. One donation of whole blood is about 450 ml, or slightly less than one pint. The body of the average adult contains about 10 pints of blood.)

The names of people who have donated blood are stored in the computer and they get a phone call every three months reminding them that another donation would be appreciated. It's those who haven't given thought to donating blood and those who are considering it but who are leery of the procedure that Mr. Philipson would like to see enter the doors at 8249 114 Street.

"We try to make it as easy as possible for a person to donate" he says. The receptionist takes the new donor's name, the nurse takes that person's basic medical history and a blood sample. The donation itself is done from the comfort of a slightly elevated armchair. Light refreshments are then made available.

The entire process takes about 30 to 45 minutes.

There is a "pretty consistent"

need for O Negative blood, the universal blood type, and the need for other blood types varies from day to day.

Donors must be between the ages of 17 and 65 although people over 65 can give blood if their doctor clears them to do so.

The donor rejection rate is about 10 percent, but the figure is decreasing because of new screening processes and will likely level off at five or six percent, Mr. Philipson says.

If you would like to help the Red Cross meet its quota and/or work

in a volunteer capacity with the Society, Mr. Philipson and his staff would make you feel most welcome. Clinic hours at the Blood Centre are 10:30 a.m. to 2:30 p.m. Monday, Wednesday, Friday and Saturday, and 10:30 a.m. to 8 p.m. Tuesday and Thursday.

The mobile clinic has been in CAB this week and it will be open from 9 a.m. to 2 p.m. tomorrow (9 October). The clinic is held on campus for one week each fall and spring and the Red Cross is considering holding a two-day clinic here each summer.□

Sexual Abuse Study Focuses on Developmental Disabilities

The Developmental Disabilities Centre recently received funding for a pilot project on the relationship between handicapping conditions and victimization in sexual abuse.

Health and Welfare Canada awarded the Centre \$11,416 for a short-term pilot study which is part of a national plan to determine priorities regarding the elimination of child sexual abuse. Twenty-seven studies on child sexual abuse have been funded across Canada as part of the over-all effort to establish focus for the Health and Welfare Canada initiative.

Preliminary data, the Centre states, suggest that a large proportion of victims of sexual abuse are developmentally disabled. It has been suggested that this group is more vulnerable due to a number of interacting social and personal competence factors. The exclusion of developmentally disabled victims in some community services further complicates this problem.

The current study will attempt to determine if this group is at greater risk for abuse, if community services normally available to victims of abuse are accessible to people with developmental disabilities, and if prevention efforts directed toward the general

population are appropriate for people with various types and levels of disabilities. The primary investigators are Dick Sobsey (Educational Psychology) and Connie Varnhagen (Psychology).

The study will try to maintain a transdisciplinary focus and the investigators would welcome contact with others from across the University interested in this topic. Drs. Sobsey and Varnhagen can be reached at the Developmental Disabilities Centre, 6-123 Education North, telephone 432-3755.□

Deadline Posted for University/Community Special Projects Fund

The next deadline for submission of applications to the University/Community Special Projects Fund is 15 October 1987.

Late applications will not be considered until the January 1988 meeting.

Project proposals and requests for application forms should be directed to the Advisory Committee's Secretary, Mrs. Twyla E. Gibson, in the office of the Associate Vice-President (Information Systems), 3-6 University Hall.□

Students Raise \$2,100 at Shinerama

On 25 and 26 September, about 40 students from Medicine and Science set out with balloons and shoe-shine kits in hand to raise money for cystic fibrosis research.

The occasion was the fourth annual Shinerama campaign at the University of Alberta. The students made sure that people had shiny shoes and their children had balloons.

Thanks to the efforts of the participants, the University raised about \$2,100 of the \$14,300 collected in Edmonton that weekend.

One of next year's objectives of Shinerama's on-campus organizers is to encourage other Faculties to take part and make Shinerama a campus-wide event.□



Jennifer Froelich talked President Horowitz into shoe-horning a shine into his busy schedule.



Activities

Rosalie Banko (Extension) and colleagues Jeffrey Barlow and Francis J. Bonkowski of Montreal have just published *Take Action*, the third textbook in their *Communicating in English* series. The basal series is intended for high school students. . .

Paramesware Krishnan (Sociology) spent the summer as a Senior Faculty Fellow of the Shastri Indo-Canadian Institute at the University of Kerala, Trivandrum. As a Shastri Fellow, Professor Krishnan worked on the socio-demographic influence of cassava in Kerala. He visited various institutions in India that conduct demographic and agricultural research, and delivered lectures in the Department of Demography, University of Kerala; Centre for Population Studies, S.V. University, Tirupati; and the International Institute for Population Studies, Bombay. . .

On 22 September, **Myer Horowitz** (President) gave the keynote address at the 10th Anniversary Celebration of the Commission on Social Justice of the Edmonton Roman Catholic Archdiocese. . . **Douglas Wilson** (Medicine) has been appointed a member of the Medical Research Council of Canada for a term of three years.

Gairdner Award Lecturer to Visit

Michael Rossmann, Hanley Professor of Biological Sciences at Purdue University and a 1987 winner of a Gairdner Foundation International Award in Medical Science, will visit our campus under the auspices of the Gairdner Foundation of Toronto.

He will present a lecture titled "The Neutralization of Common Cold (Rhino) Viruses with Antibodies and Antiviral Compounds" in 2-27 Medical Sciences Building on Monday, 19 October, at 4 p.m.

Dr. Rossmann, who will be hosted by the Department of Biochemistry, is one of the world's foremost X-ray crystallographers. His early work at Cambridge involved the invention of a mathematical function for determining the vectors between the heavy atoms of the different protein-heavy atom complexes needed to determine the phases. This function was particularly useful to Perutz and Kendrew in their solution of the crystal structure of myoglobin and hemoglobin. Dr. Rossmann's originality and mathematical skills developed further when he and David Blow invented other mathematical functions for resolving X-ray diffraction patterns of structures in which repeating oligomers were present. These

techniques turned out to be especially useful in deriving interpretable electron density maps of viruses which otherwise might have been too large for analysis.

In the late '60s and early '70s, Dr. Rossmann's research group at Purdue successfully determined the structure of lactate dehydrogenase. This was the first structural glimpse of a multi-subunit enzyme or one involving a coenzyme. This rapidly led to the solution of other dehydrogenases and related structures and the now famous 'Rossmann fold' for the nucleotide binding domain.

Dr. Rossmann's latest achievement, the structure determination of rhinovirus, is

regarded as a landmark accomplishment in the annals of protein crystallography in three respects: it represents a major advancement in our understanding of infectious animal viruses; it illustrates the evolutionary relationship between icosahedral viruses; and demonstrates the epitome of what the modern high-tech methods in protein crystallography can achieve.

Michael Rossmann is one of seven scientists who are recipients of Gairdner Awards this year, in recognition of their outstanding contributions to medical science. Since its establishment in 1957 by the late James A. Gairdner, the Foundation has honored 191



Michael Rossmann

scientists of whom 30 have subsequently received a Nobel prize.

Faculty of Extension Supports the Family

The Faculty of Extension, with the help of the Lousage Family Institute, has launched a new program focusing on the family.

The Family Skills Program is primarily designed for professionals involved in the help and care of troubled families.

The program will begin shortly with two series of courses. Series A will be aimed at professionals who are enrolled in or have completed graduate degrees, and who wish to further their skills in family

therapy. It will deal with family theory, family assessment and treatment, as well as theory and therapy for couples, and includes clinical supervision.

Series B will provide valuable information for individuals responsible for providing services and support, but not therapy, to families.

Two other courses are also offered which will provide service directly to families: "Living with Adopted and/or Foster Children"

and "Family Conflict Resolution."

Bill Stewart, Director of the Faculty's Applied Behavioral Sciences program, says the second series will offer timely and essential training. "With the introduction of the new *Child Welfare Act*, professionals need additional assistance in the area of family assessment. This series will explore the areas of family systems theory, and skills required to deal with family support, referral, case management, and crisis intervention." □

Chinese Academic a Central Figure in Defence of Master's Research

The paths of Ron Gietz, a student from Pincher Creek, Alberta, and Tang Jie, a professor at August First Land Reclamation University, People's Republic of China (PRC), crossed again recently at the University of Alberta.

Mr. Tang, who teaches in the area of agricultural production economics, supervised Mr. Gietz when the Agriculture and Forestry graduate student spent four months in China last fall. With the cooperation of the Universities Coordinating Council and the Department of Rural Economy, Mr. Tang visited us as a member of the examining committee which heard Mr. Gietz defend his master's research. The 1985 recipient of the Institute of Agrologists Gold Medal has developed an economic model to assess the feasibility of Sino-Canadian joint ventures in beef production. There is a possibility that thousands of square kilometers of virgin grassland found in Heilongjiang might be given over to beef production.

Peter Apedaile (Rural Economy), Ron Gietz's supervisor, says Mr. Tang is in all likelihood the first Chinese external examiner ever to participate in a thesis defence here. This, he feels, constitutes "a genuine turning point" in our relations with Chinese institutions. The University of Alberta, he says, acknowledges the scientific and technical competency of Chinese universities when one of their faculty members is involved as an outside examiner.

Dr. Apedaile is no stranger to international exchanges and missions. He's known particularly for his work with the Black Dragon River Consortium, within which the University of Alberta, Olds College and the University of Guelph are providing technical assistance in the agricultural sector to Liu He Management Cadre College and August First Land Reclamation University, both in Heilongjiang province. The two projects are executed on behalf of CIDA and cost \$9 million.

Dr. Apedaile terms the visit of Mr. Tang a "full-fledged extension of collegiality between our two countries."

A master's program in agriculture will likely be established at the August First University and it may well be that University of Alberta faculty will be invited to sit on their examining committees, Dr. Apedaile says.

Mr. Tang arrived on 20 August for a three-week stay. Besides fulfilling his role at Mr. Gietz's thesis defence, he gave a seminar on the structure of the state farm system in the PRC and another on the diversion of labor in rural China.

He also journeyed to Barrhead to tour the Clare Anderson farm. He visited the integrated beef/forage operation and the Pembina Forage Association's pasture improvement program. In contrast there is little pasture production in China where most livestock scavenge roadsides and wasteland.

Mr. Tang, whose remarks were

translated into English by Hong Li, an MSc candidate in the Department of Plant Science, said the University of Alberta campus is very large and very scenic. He was also impressed with the teaching methods he witnessed and was complimentary of faculty for their willingness to hold wide-ranging discussions with him.

At home, Tang Jie is a Professor of Rural Economy. The department is an academic cornerstone of the university in that its enrolment of 844 students is the highest on campus. The rub, hardly an unusual one, is that funding for economics research is near the bottom of the pecking order.

During the Cultural Revolution August First Land Reclamation University was closed from 1968 to 1973 and Mr. Tang managed a unit farm that featured beef production. He is about to complete a book on the management of state farms. □

Brand X Marks Some But Not All Western Writing

Zane Grey was a Manhattan d...st who never did write the C... Western Novel, says Christine Bold who teaches English at the University of Alberta.

And Max Brand hated his highly successful westerns so much he banned them from his home, says the Scots-born author (*Selling the Wild West: Popular Western Fiction, 1860-1960*. Indiana University Press).

"The western novelist's job was to produce formulaic fiction, as efficiently as possible," says Bold, quietly tracing the literary genre from James Fenimore Cooper's prototype through dime novels of the 1860s, to "pulp" and "slick" magazines, and the World War Two paperback revolution.

Grey died in 1939, never thinking himself a hack. But Frederick "Max" Brand" Faust (1892-1944) was more cynical. A talented poet as a youth, he started his western career to pay the bills, to become the most prolific and highest paid pulp writer of them all.

He never lost his feelings of disgust and shame," says Bold. When his children asked him what he did at the typewriter, he'd answer "making shoes."

Louis L'Amour is the master salesman of the western novel business, says Bold. He writes in one draft, five pages a day. His heroes all have eye-catching names, but they all wear the same

black, flat-crowned hat.

Does Bold, a literary critic, find merit in formula westerns?

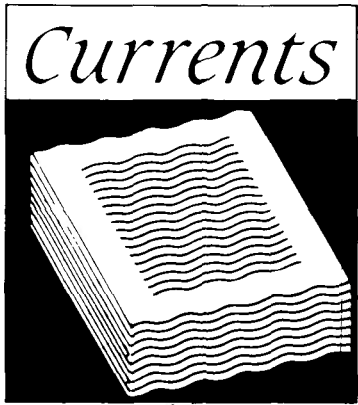
"The... best fiction grew directly out of the tension between a desire for artistry and an addiction to formula," she says. But the most popular western titles aren't the best works of literature. "My ordering of the works according to literary merit is almost

entirely reversed, when the yardstick is popularity."

Her personal favorite, of all the thousands of westerns she's read?

"Alan LeMay is the major forgotten western author. He's no literary genius. But his work is worth more attention." *□

*Reprinted from Q and A published by the University's Office of Public Affairs.



Japanese Students Learn About Alberta From Extension's English Language Program

Undergraduate students from the Faculty of Pharmacy at Toho University, Japan, recently spent two weeks immersed in the language and culture of Alberta. The Faculty of Extensions's English Language Program organized the Language and Cultural Seminar. Students daily attended four-hour English-as-a-second-language classes followed by excursions to destinations such as Fort Edmonton Park, the Space Sciences Centre, and West Edmonton Mall. Trips to Banff, Jasper, and to two of Edmonton's summer festivals—Heritage Days and the Fringe—also provided unique settings for learning language and culture. In addition, the Faculty of

Pharmacy arranged tours of the Mackenzie Health Sciences Centre and the Cross Cancer Institute.

Accompanying the students were Takehiko Yajima, Professor of Analytical Chemistry, and his wife, Yukiko.

Among the students was Hirokazu Tanaka, a graduate student from Toho University. As part of an exchange agreement between Toho and the University of Alberta, Mr. Tanaka will spend two months as a researcher in the Faculty of Pharmacy.

Rosalie Banko, Director of the English Language Program, anticipates continuing and possibly expanding the language and cultural seminar next summer.□

Nominations for Chair of Drama Invited

The Faculty of Arts wishes to announce that a Chair Selection Committee is being established to select a new Chair for the Department of Drama. This committee is prepared to receive nominations and comments from members of the University community; these should be addressed to Dr. T.H. White, Dean of Arts.

Wanted: Engineering Photos

George Ford, former Dean of Engineering, is writing a commemorative book to celebrate the 75th anniversary of the Faculty.

Historical and modern photographs are being sought of engineering students and events, engineering week, engineering queens, labs, classroom and leisure time events. All pictures will be returned.

Please contact Marjorie Thompson at 432-4514.

Faculty Women's Club Luncheon

The Faculty Women's Club will hold its Fall Luncheon on Tuesday, 20 October, at noon in the Faculty Club. Guest speaker will be world champion trapshooter, Susan Nattrass. Nattrass is also a coach and scholar and is currently working in administration in the Faculty of Physical Education. She won the 1987 YWCA "Tribute to Women Award" in the Athletics, Recreation and Fitness category.

For information and tickets (\$9), call 434-7392, 483-1968 or 436-3833.

Septieme Colloque Du Cefco

Les 16 et 17 octobre le colloque se déroulera à la Faculté Saint-Jean, et aura pour thème : "Ecriture et Politique". De nombreux invités de la francophonie traiteront de sujets comme "Georges Bugnet et le sens de la minorité", "Gabrielle Roy telle qu'en elle-même", "L'école et la langue", "Identité et assimilation", "Le fait français, son établissement et son évolution."

Madame Antonine Maillet sera la conférencière invitée.

Les demandes de renseignements peuvent être adressées au: Gratien Allaire, 468-1254.

WUSC Seminar in Mali

Applications for the World University Service of Canada International Seminar in Mali from mid-June through July 1988 are now available. Interested staff and students are invited to attend an information session on 14 October from 4 to 6 p.m. at the International Student Centre, 11023 90 Ave.

Deadline for applications: 4 November. (The working language will be French).

More information from Dulair Prithipaul, 432-4377 or 452-2147.

Successful Final PhD Oral Examinations

Name	Department	Final Thesis Title
Anne Margaret Anthony	Secondary Education	"The Novice Orienteering Experience: A Case Study"
Robert William Arnott	Geology	"Sedimentology of An Ancient Clastic Nearshore Sequence, Lower Cretaceous Bootlegger Member, North-Central Montana"
Okponanabofa Eradiri	Pharmacy and Pharmaceutical Sciences	"Pharmacokinetic and Drug Interaction Studies on Metronidazole in Crohn's Disease"
Johanna Faulk	Educational Administration	"Attitudes of Counsellors and Policy-Makers at Alberta Vocational Centres About the Unemployed and Unemployment"
Tracy Anne Marchant	Zoology	"The Hypothalamic Regulation of Growth Hormone Secretion in the Goldfish, <i>Carassius auratus</i> L."
Brendan Alphonso Rapple	Educational Foundations	"Matthew Arnold: Comparative Educator and Critic of English Middle-Class Society"
Rebecca Keith Salmon	Animal Science	"Phenotypic and Molecular Genetic Characterization of Mice Selected for High Body Weight"
Gary Alex Simatos	Physiology	"Alterations in Phospholipid Metabolism in Perfused Rabbit Carotid Artery in Response to De-endothelialization"
Richard Robert Smith	Mining, Metallurgical and Petroleum Engineering	"Delayed Hydride Cracking of Zr-2.5%Nb"
Helene Smyk	Educational Administration	"Clinical Teaching in a Diploma Nursing Program"

Talks

Music

8 October, 2 p.m. John Wustman, Distinguished Visitor, "Ask the Master: The Art of Singing and the World of Repertoire." 1-29 Fine Arts Building.

Women's Studies Program

8 October, 2 p.m. Karuna Chanana Ahmad, School of Social Sciences, Jawaharlal Nehru University, New Delhi, "Women's Education in India." L-3 Humanities Centre.
8 October, 4 p.m. Susan A. McDaniel, Department of Sociology, University of Waterloo, "Fertility Discourse in Transition: A New Stork Rising?" L-3 Humanities Centre.
9 October, 3 p.m. Seminar series—"Reading Feminist Texts Together." Discussant: C. Potvin. Text: Luce Irigaray, *This Sex Which is Not One*. 5-20 Humanities Centre. Texts are available from the Woman's Studies section of the University Bookstore and are on reserve in the Cameron Library Reserve Reading Room.
14 October, 4 p.m. "Reading Feminist Texts Together." Discussant: A. Hall. Text: Liz Stanley and Sue Wise, *Breaking Out: Feminist Consciousness and Feminist Research*. 5-20 Humanities Centre.
16 October, 3 p.m. "Reading Feminist Texts Together." Discussant: S. Arntzen. Text: *The Gossamer Years: A Diary of a Noblewoman of Heian Japan*. 5-20 Humanities Centre.
19 October, 4 p.m. "Reading Feminist Texts Together." Discussant: Cathy Bray. Text: Evelyn Fox Keller and Helene Moglen, "Competition and Feminism: Conflicts for the Academic Woman," *Signs*, 12,3 (Spring 1987), pp. 493-511.

CITL

8 October, 3 p.m. C.Y. Oh, "Preparing Effective Overhead Transparencies with Minimum Effort." B-131A Education North.
14 October, 2 p.m. Bruce Caldwell, Jan Gelfand, Joon Kiat Lee, James Quarshie and Barry Tonge, "Teaching Students From Another Culture." Classroom F, 2J4.02 Mackenzie Health Sciences Centre.
15 October, 3:30 p.m. Jim Creechan, "Strategies for Creating Fair Multiple-Choice Examinations." TB-W2 Tory Building.
19 October, 10 a.m. Peter Lown, "Copyright." TB-W2 Tory Building.
19 October, 3 p.m. Gordon Fearn, "Developing a Graduate Seminar on Teaching and Professional Skills." TB-W2 Tory Building.
21 October, 3:30 p.m. Patricia Demers, Keith Denford and Brian J. Silzer, "Effective Use of the Nine Point Grading System." TB-W2 Tory Building.
22 October, 2:30 p.m. S. Keith Ward, Academic Dean, The King's College, "Cheating and Plagiarism: Toward Restoring Trust." Classroom F, 2J4.02 Mackenzie Health Sciences Centre.

English

8 October, 3:30 p.m. Gerald McCaughey, "Goldbricking Shakespeare: The Best Act in the Trade Since the Ireland Family; or, What's Wrong with the New Oxford Shakespeare?" 5-20 Humanities Centre.
15 October, 3:30 p.m. Constance Rooke, University of Victoria, "Old Age and Disengagement in Canadian Fiction: *The Double Hook*, *The Stone Angel*, and *Swamp*

Angel." 5-20 Humanities Centre.
21 October, 4 p.m. Isobel Grundy, Queen Mary College, University of London, "The Poet and Her Muse." 5-20 Humanities Centre.

Mathematics

8 October, 4 p.m. Thomas Rogers, "Chaos." 649 CAB.
15 October, 4 p.m. Derek J.S. Robinson, University of Illinois at Urbana-Champaign, "Groups With Restricted Quotient Groups." 657 CAB.

Canadian Mediterranean Institute

8 October, 7:30 p.m. Jeremy Rossiter, "Roman North Africa." Auditorium, Provincial Museum.

Economics

9 October, 9:30 a.m. Conference on Modern Japan—Frank C. Langdon, Institute of International Relations, University of British Columbia, "Is Japan Ready to Become a Full Western Ally?" Discussant: Klaus H. Pringsheim, McMaster University. TB-W2 Tory Building.
Michael W. Donnelly, Director of Joint Centre on Modern East Asia, University of Toronto, "Joint Venturism and Technology Transfer: Canada and Japan." Discussant: Akira Kubota, University of Windsor. TB-W2 Tory Building.
9 October, 2 p.m. Bernard Bernier, University of Montreal, "Factors in Japan's Success in Automation." Discussant: Hiroshi Tanaka, University of Lethbridge. TB-W2 Tory Building.
9 October, 3:30 p.m. Klaus Weiermair, York University, "Employment System and Youth Employment: Japan Versus Other Industrialized Countries (USA, Canada, West-Germany)." Discussant: Donald J. Daly. TB-W2 Tory Building.
9 October, 6:30 p.m. Takashi Konami, Toyko University of Foreign Studies, Japan, "Approaches in Area Studies: Canadian Studies in Japan and Japanese Studies in Canada." Faculty Club.
10 October, 10 a.m. Mitsuru Shimo, University of Waterloo, "A Theory of Social Change in Rural Japan." Discussant: Harry Nishio, University of Toronto. TB-W2 Tory Building.
K. Victor Ujimoto, University of Guelph, "The Elderly in Contemporary Japan." Discussant: Harry Nishio, University of Toronto. TB-W2 Tory Building.
10 October, 2 p.m. Charles McMillan, York University, "Aspects of the Japanese Economy." (TBA) Discussant: Keith A.J. Hay, Carleton University. TB-W2 Tory Building.
15 October, 3:30 p.m. B. Wood, North-South Institute, "North-South Relations: Into the Mainstream of Canadian Policy." 10-4 Tory Building. Co-sponsored by Political Science and Rural Economy.
16 October, 3 p.m. B. Von Hohenbalken, "Computational Geometry in Spatial Economics." 8-22 Tory Building.
19 October, 3 p.m. Jo Anna Gray, Washington State, "Some Evidence on the Role of Contractual Wage Rigidities in Determining Output and Employment." 8-22 Tory Building. Co-sponsored by Marketing and Economic Analysis.
23 October, 3 p.m. P. Coyte, C.R. Lindsey, B. Von Hohenbalken and D. West, "Spatial Monopolistic Competition with Two-Part Tariffs: Video Cassette Rentals in Edmonton." 8-22 Tory Building.

St. Joseph's College

9 October, 2 p.m. Thomas Dailey,

"Reflections on the Vatican Instruction on Reproductive Technologies." Faculty Lounge, St. Joseph's College.

Physics

9 October, 2 p.m. B.V. Sreekantan, Tata Institute of Fundamental Research, Bombay, India, "Underground Experiments at Kolar Gold Fields on Proton Decay and Neutrino Interactions." V-121 Avadh Bhatia Physics Laboratory.

Alberta Heritage Foundation for Medical Research

9 October, 2 p.m. William Bauer, Professor, Department of Microbiology, State University of New York, "Twisting and Writhing: Superhelical DNA in Perspective." 4-70 Medical Sciences Building.

Zoology

9 October, 3:30 p.m. John Petruska, Department of Biological Sciences, University of Southern California, Los Angeles, "DNA Methylation and Evolution." M-149 Biological Sciences Centre.
16 October, 3:30 p.m. Lawrence D. Harder, Department of Biological Sciences, University of Calgary, "Selective Foraging by Bumble Bees: Objectives and Consequences." M-149 Biological Sciences Centre.

Boreal Institute for Northern Studies and the School of Native Studies

13 October, 12:30 p.m. Philip Howard, Athapaskan linguist, Language Bureau, Government of the Northwest Territories, "Current Socio-Linguistics of the Dene Languages of the Mackenzie Valley." 14-6 Tory Building.

Sociology

13 October, 7:30 p.m. Wesley Skogan, EFF Distinguished Visitor, "Dilemmas of Reform." TB-W2 Tory Building.

Educational Foundations

14 October, noon. Marjorie Theobald, Monash University, Australia, "Rewriting the History of Secondary Education in Australia." 5-180 Education North.

Forest Science

14 October, noon. E. (Ted) H. Hogg, "Buoyancy and Growth Dynamics of Floating Cattail Mats in New Brunswick." 4-1 Mechanical Engineering Building.
21 October, noon. Stew Pickford, Professor of Forestry, University of Washington, "Turning Data Into Information: Information Management and Wildland Fire." 4-1 Mechanical Engineering Building.

Computing Science

14 October, 3:30 p.m. Eugene H. Spafford, Software Engineering Research Centre, Department of Computing Science, Purdue University, "The MOTHRA Software Testing Environment." 619 General Services Building.
21 October, 3:30 p.m. Hisao Kuma,

Department of Information Science, Teikyo University of Technology, "The Autonomous Distributed Total Hospital Information System." 619 General Services Building.

Women's Program - Extension

14 October, 7:30 p.m. Eddie Rutherford and Lynn Frazier, "Racism and the Women's Movement." L-4 Humanities Centre. Co-sponsored by the Alberta Status of Women Action Committee.

Soil Science

15 October, 12:30 p.m. Rick Sherstabetoff, Soils Branch, Alberta Agriculture, "Prediction of Saturated Hydraulic Conductivity in Organic Soils." 2-36 Earth Sciences Building.

Limnology and Fisheries Discussion Group

15 October, 12:30 p.m. George Evans, "Chemo-orientation of Shore Insects." M-149 Biological Sciences Centre.
22 October, 12:30 p.m. Mark Hanson, "Consequences of Muskrat (*Ondatra Zibethicus*) Predation on the Growth and Production of a Unionid Clam (*Anodonta Grandis Simpsoniana*)." M-149 Biological Sciences Centre.

Center for Advanced Study in Theoretical Psychology

15 October, 1 p.m. Julian Jaynes, Princeton University, "History is the Solution to the Mind-Body Problem." CW-410 Biological Sciences Centre.

Nordic Studies Colloquium

15 October, 3 p.m. Thomas Lundén, Head, Department for Education and Research, Swedish Institute, Stockholm, "Stockholm as a Cultural Landscape." 3-36 Tory Building.

Classics

15 October, 3:30 p.m. E.L. Harrison, Senior Lecturer in Greek, University of Leeds, U.K., "Vergil's Aeneid: Some Patterns, Some Problems." 1-8 Humanities Centre.
16 October, noon. Dr. Harrison, "Vergil and Dido." L-2 Humanities Centre.
22 October, 3:30 p.m. Peter L. Smith, Professor of Classics, University of Victoria, "Ovid's Myth of Tereus (Metamorphoses 6.424-674)." 1-8 Humanities Centre.
23 October, 11 a.m. Peter L. Smith, "Horace and the Italian Countryside" (illustrated). L-4 Humanities Centre.

Family Studies

15 October, 3:30 p.m. Rein Selles, "From the Heart the Meaning of Retirement and Transfer for Dutch-Canadian Farmers." 812 General Services Building.

Art History and Art and Design

16 October, 3 p.m. Susan Powelson, "On Line Research Resources in the Fine Arts." 2-28 Fine Arts Building.

Nursing

19 October, 4 p.m. Agnes Aamodt, Professor and Division Coordinator, Maternal-Child Nursing, College of Nursing, University of Arizona, Tucson,

"The Concept of Caring Cross-Culturally." Classroom D, 2F1.04 Mackenzie Health Sciences Centre. Funded by the Alberta Heritage Foundation for Medical Research.

Centre for Criminological Research

20 October, 4 p.m. Antoine Garapon, Juge des Enfants, Créteil, France, "The Family Court Judge in France." Conference Room B2, Law Courts Building (97 Street and 102A Avenue). Co-sponsored by the Family and Youth Court Divisions, Alberta Attorney General.
21 October, 10 a.m. Antoine Garapon, "Juvenile Justice in France." B-121 Tory Building. Co-sponsored by the Faculty of Law and the School of Social Welfare, University of Calgary.

Romance Languages and Comparative Literature

21 October, 4 p.m. Raymond Federman, "Petit Voyage Dans Les Paysages En Ruines De Samuel Becket." 2-34 Humanities Centre.
22 October, 4 p.m. Professor Federman, "Postmodern Fiction and How to Get Rid of It." L-2 Humanities Centre.
23 October, noon. Professor Federman, "Reading From His Own Creative Work." 5-20 Humanities Centre.

Vice-President (Academic's) Coordinating Committee on Women's Studies

21 October, 7:30 p.m. "Firewords"—an N' Studio D film about three Quebec writers. L-12 Tory Lecture Theatre.

Law

24 October, 9:30 a.m. Saturday Morning at the Law School—"Tax Reform Proposals and the Individual." 231 Law Centre.

The Arts

Ring House Gallery

11 October to 15 November. "A University Collects: Ancient Egypt."

McMullen Gallery Mackenzie Health Sciences Centre

Until 31 October. "In Touch With Abstract Art"—an opportunity to experience the tactile side of contemporary, abstract art.

Bruce Peel Special Collections Library

Until 27 November. "Great Scott! The Library World of Sir Walter Scott." First and early editions of Scott's poems and novels with those of his predecessors and contemporaries, accompanied by Scott's lively comments upon them. 8:30 a.m. to 4:30 p.m. Monday-Friday (closed weekends). B7 Rutherford South.

Music

All events take place in Convocation Hall.

8 October, 8 p.m. Lillian Upright, piano.
9 October, 2 p.m. Department of Music Masterclass Series—John Wustman, Distinguished Visitor.
9 October, 8 p.m. Masterclass students of John Wustman.
18 October, 8 p.m. Visiting Artist—Tiïu Haamer, piano (Grande Prairie Regional College).
20 October, 7:30 p.m. Chopin Festival—Piano masterclass with Marek Jablonski. Sponsored by the Registered Music Teachers' Association.

SUB Theatre

9 October, 8 p.m. Mary O'Hara and Friends in Concert.
10 October, 9 p.m. Venki—East Indian Music Ensemble. 462-9355.
16 to 18 October. Stage Polaris presents "Punch and Judy." 432-9483.

Théâtre Français d'Edmonton

16, 17, 23, and 24 October, 8 p.m., and 25 October, 3 p.m., "Le Bourgeois Gentleman." 469-0829.

Positions

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In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Research Associate, Rick Hansen Centre

Applications are invited for the following position:
Responsibilities: 1. Research Associate in the Rick Hansen Centre.
2. Coordinate the development of physiological research projects as they specifically apply to physically disabled individuals and high performance elite wheelchair athletes.
3. Coordinate the development and instruction of coaching certification programs for coaches working with elite wheelchair athletes.
4. Provide coaching expertise for high performance elite paraplegic and quadraplegic wheelchair track athletes.
5. Develop a sound rehabilitative research program for recently injured spinal cord individuals.

Qualifications:
1. Candidates must possess a minimum of a Master of Science degree in Exercise Physiology.
2. Candidates must demonstrate evidence of experience (minimum of four years) and expertise essential to coaching international level wheelchair athletes.
3. Candidates must demonstrate a strong background in exercise physiology research as it relates to physically disabled athletes.
Appointment: One-year term effective 1 December 1987.

Salary: \$22,000 to \$28,000 per annum.
Application closing date: 28 October 1987.
Forward application and names of three (3) references to: Dr. Robert D. Steadward, Director, Rick Hansen Centre, Department of Physical Education and Sport Studies, University of Alberta, Edmonton, Alberta T6G 2H9.

Support Staff

To obtain further information on the following positions, please contact Personnel

Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 2 October. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Purchasing Clerk II, Physical Plant Administration, (\$1,366-\$1,716)
Library Clerk III, Faculté Saint-Jean, (\$1,366-\$1,716)
Clerk Typist III, Faculté Saint-Jean, (\$1,366-\$1,716)
Clerk Typist III (Term to 30 April 1988), Housing and Food Services, (\$1,366-\$1,716)
Clerk Steno III (Part-time, Trust), Surgery, (\$1,366-\$1,716 pro-rated)
Systems Control Clerk I, Dean of Dentistry, (\$1,412-\$1,791)
Secretary (Half-time, Term to 31 March 1989), Canadian Institute of Nordic Studies, (\$1,522-\$1,945 pro-rated)
Accounts Clerk (Split-funded), Health Sciences Laboratory Animal Services, (\$1,522-\$1,945)
Departmental/Executive Secretary, Office of the Vice-President (Academic), (\$1,716-\$2,208)
Departmental/Executive Secretary, Boreal Institute for Northern Studies, (\$1,716-\$2,208)
Departmental/Executive Secretary, Anatomy and Cell Biology, (\$1,716-\$2,208)
Departmental/Executive Secretary (Term to 30 September 1988), Dean of Education, (\$1,716-\$2,208)
Housing Worker, Housing and Food Services, (\$1,226-\$1,522)
Security Watchman (Shift), Housing and Food Services, (\$1,226-\$1,522)
Ice Rink Attendant (Recurring Term), Physical Education and Recreation Support Services, (\$1,412-\$1,791)
Typographical Tradesman II, Printing Services, (\$1,522-\$1,945)
Farm Technician I (Temporary), Animal Science, (\$9.12-\$11.69 per hour)
Maintenance Worker I, Physical Plant, (\$1,648-\$2,115)
Technologist II (Textiles), Home Economics, (\$2,115-\$2,741)
Programmer Analyst II, Geography, (\$2,304-\$2,992)
Programmer Analyst III, Civil Engineering (\$2,741-\$3,579)
Programmer Analyst III, Physical Education and Recreation Support Services, (\$2,741-\$3,579)

For vacant Library positions, telephone 432-3339.

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Sale - By owner. 10925 81 Ave. Walk to University. 1,150', three bedrooms. Renovated kitchen and dining room, new furnace, hardwood floors. \$92,900. Phone Osuat or John, (home) 433-2963, (work) 432-2422.
Sale - Immaculate, Hampton Village unit. Walk to University. Fireplace, loft overlooking living room. Five appliances, European-style kitchen cupboards. Underground parking. Ronn Bence, Royal LePage Real Estate. 438-5100, 436-6296.

Rent - Parkallen, furnished, three-bedroom house. January to June or August 1988. \$600/month. 432-5174, 432-8251.
Sale - Sherwood Park, clean, well-maintained, three-bedrooms, 1,400', on very quiet keyhole. Very large lot with exceptional landscaping. Oak cabinets, whirlpool. Close to schools. \$99,500. 464-5493. No agents.
Sale - Lakefront cabin, Lake Isle (one hour from campus). \$44,900. 467-6273 after 5 p.m.
For sale - Five bedrooms, 1 1/2 storeys. University area, five minutes to class. \$149,900. Royal LePage, 438-5100. Pat Grace, 438-5006.
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Sale - City lots. Buy now, build later. \$39,750-\$67,500. Financing available. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
Sale - \$39,500. University, two-bedroom condominium. Appliances. Quiet location. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
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Sale - Parkallen. Renovated, 1 1/2 storeys, walk to University. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
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